

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FI 03/00216

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 988 617 A (LANDEGREN ULF ET AL) 29 January 1991 (1991-01-29) abstract column 2, line 34 -column 3, line 52 ---	1-6, 8-19, 21-27, 29-35, 37-43
Y	US 4 883 750 A (WHITELEY NORMAN M ET AL) 28 November 1989 (1989-11-28) abstract column 5, line 29 - line 40 --- -/--	1-6, 8-19, 21-27, 29-35, 37-43

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

14 October 2003

Date of mailing of the international search report

13. 11. 2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

TERESE PERSSON /EÖ

INTERNATIONAL SEARCH REPORT

International Application No

PCT/FI 03/00216

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 279 744 A (WARNER LAMBERT CO) 29 January 2003 (2003-01-29) page 21, line 52 - line 57 ---	1-6, 8-19, 21-27, 29-35, 37-43
X	WO 00 18953 A (LUNE HARRY VAN ;TER WIEL JAN (NL); PACKARD BIOSCIENCE B V (NL)) 6 April 2000 (2000-04-06) claim 9 ---	29-35, 37-43
X	SAKAKIBARA TATSUYA ET AL: "An enzymatic cycling method using pyruvate orthophosphate dikinase and firefly luciferase for the simultaneous determination of ATP and AMP (RNA)" ANALYTICAL BIOCHEMISTRY, vol. 268, no. 1, 1 March 1999 (1999-03-01), pages 94-101, XP002257654 ISSN: 0003-2697 page 95, column 2, paragraph 5 scheme 1 ---	29-35
A	TAN GHEE T ET AL: "Natural-product inhibitors of human DNA ligase I" BIOCHEMICAL JOURNAL, vol. 314, no. 3, 1996, pages 993-1000, XP002257655 ISSN: 0264-6021 the whole document ---	5,6,18, 19,35,43
A	YANG S-W ET AL: "IDENTIFICATION OF A SPECIFIC INHIBITOR FOR DNA LIGASE I IN HUMAN CELLS" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 89, no. 6, 1992, pages 2227-2231, XP002257656 1992 ISSN: 0027-8424 the whole document -----	1-44

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FI 03/00216

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4988617	A	29-01-1991	NONE	

US 4883750	A	28-11-1989	DE 3586090 D1	25-06-1992
			EP 0185494 A2	25-06-1986
			JP 1919077 C	07-04-1995
			JP 6044880 B	15-06-1994
			JP 61191964 A	26-08-1986
			US 5521065 A	28-05-1996
			US 5242794 A	07-09-1993
			US 5962223 A	05-10-1999

EP 1279744	A	29-01-2003	GB 2377940 A	29-01-2003
			CA 2391112 A1	27-01-2003
			CA 2391216 A1	27-01-2003
			CA 2391219 A1	27-01-2003
			CA 2391642 A1	27-01-2003
			EP 1284297 A2	19-02-2003
			EP 1284298 A2	19-02-2003
			EP 1281775 A2	05-02-2003
			EP 1279744 A2	29-01-2003
			JP 2003159080 A	03-06-2003
			JP 2003156488 A	30-05-2003
			JP 2003156489 A	30-05-2003
			JP 2003159059 A	03-06-2003
			US 2003134301 A1	17-07-2003
			US 2003138803 A1	24-07-2003
			US 2003108906 A1	12-06-2003

WO 0018953	A	06-04-2000	NL 1010224 C2	31-03-2000
			AU 754602 B2	21-11-2002
			AU 6231999 A	17-04-2000
			CA 2345721 A1	06-04-2000
			EP 1117825 A1	25-07-2001
			JP 2002525123 T	13-08-2002
			WO 0018953 A1	06-04-2000
			US 6503723 B1	07-01-2003
